

**EMEM 440 (122)**  
**Assignment #2**  
**Numerical Answers**

**3.4:** On my PC, the smallest number is  $4.94 \times 10^{-324}$

**3.13:** Answer is the program. Be sure to demonstrate that it works.

**4.1:** With the first order term, I got:

est = 0.45169      epstrue = 9.6623 %      epsapprox = 121.3914 %

**4.4:** The Taylor series estimates fluctuate and do not converge. Explain why.

**4.9:**  $H = 1320 \pm 441$  Watts